

Appl. No. 09/785,548

Reply and Amendment dated Aug. 20, 2003

Reply to Office Action of Feb. 20, 2003

**Amendments to the Drawings:**

Applicants submit two sheets of Drawings including amended Fig. 6 and Fig. 7 in order to comply with the rules for applications containing sequences and Sequence Listings. The amended drawings add the SEQ ID NO to each figure and correct typographical errors, as explained in the Remarks below. The amended Drawing sheets are attached as Replacement sheets. Also attached are Annotated sheets indicating where changes have been made, and a copy of the Originally filed Sheets.

Appl. No. 09/785,548  
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Reply to Office Action of February 20, 2003  
Replacement Sheet



AUG 25 2003

TECH CENTER 1600/2900

Ly111b-fullA : the transcript (SEQ ID NO: 477)

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAACG  
GAGAAGAAATGGCCCAAGAAATAGATCTGAGTGCTCTCAAGGAGTTAGAACGCGAGGCCATTCT  
CCAGGTCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGAGGACACGGAACTGAAA  
ACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGCACAAAGAGAAGT  
GCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGCGCCGTGTGCCGGGGCTG  
CAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTGAGGGGACCCATGCCTGGAAGTGCACG  
GTGTGCTTCGAGGACAGGAATGTCAAATAAAAATGGAGAATGGTTCTATGAGGAACGAGCCA  
AGAAATTTCCAATGGAGGCAAACATGAGACAGTTGGAGGGCAGCTCTTGCAATCTTATCAGAA  
GCTGAGCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTGAGGAGAGCCAGTGCAGCCG  
AGTCCCTGGCAGGTTACAGGAATTTGGTCAGTTTAGAGGATTTAATAAGTCCGTGGAAAATTTGT  
TTCTGTCTCTTGCTACCCACGTGAAAAGCTCTCCAAATCCCAGAATGATATGACTTCTGAGAA  
GCATCTTCTCGCCACGGGCCCCAGGCAGTGTGTGGGACAGACAGAGACGGAGCCAGTCTGAC  
ACTGCGGTCAACGTCAACCACAGGAAGGTGAGTGCACCAGATATTCTGAAACCTCTCAATCAAG  
AGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACC  
CAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAAATTAGCATTGACAGCACCTGTACA  
GAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCAATTATTGCT  
TCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTGCCATGAGAGAAGAAA  
GAAGAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCGACAGATCCTCCCAGGGAAAG  
CGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCAGGAGACCTTGAAGTATCAGG  
TGGCCCCCTGCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGGC  
CCGGAGAGTGTCTTGGAGAAGTGATCATTCTCTGGCCACGTGGGACTTTGAAGACAGCACA  
ACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGTTCTCTC  
AGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAAAATCCA  
AGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATGGTCAACTTTGTTTGGTAGTGCTAGGA  
GCCAAGAATTTACCTGTGCGGCCAGATGGCACCTTGAACCTATTGTTAAGGGCTGTCTCACTC  
TGCCAGACCAACAAAATGAGACTGAAGTCGCCAGTCTGAGGAAGCAGGCTTGCCCCAGTG  
GAAACACTCATTTGTCTTCACTGGCGTAACCCAGCTCAGCTGAGGCAGTCGAGCTTGAGTTA  
ACTGTCTGGGATCAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTT  
CAAAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGT  
CCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGCTCTGACTGACATGAAGGCCTCAAG  
GTTCCAGGTTGCAGCAGGCGTGAGG

pLy111b-fullA : the protein (SEQ ID NO: 48)

MAQEIDLSALKELEREAILQVLYRDQAVQNTTEERTRKLKTHLQHLRWKGAKNTDWEHKEKCCARCCQVVGFLLRHG 77  
AVCRGCSHRVCAQCRVFLRGTHAWKCTVCFEDRNVKIKTGEWFYEERAKKFTTGGKHETVGGQLLSYQKLSKISVV 154  
PPTPPPVSESQSRSPGRLOEFGQFRGFNKSVENLFLSLATHVKLSKSNQDMTSEKHLATGPRQCVCQTERRSQS 231  
DTAVNVTRKVSAPDILKPLNQEDPKCSTNPILKQNLPSPPSTIFSGGFRHGSLISIDSTCTEMGNFDNANVTG 308  
ETEFIAHYCFKTHSLEICIKACKNLAYGEEKKKCNPYVKTYLLPDRSSQGRKRTGVQRNTVDPTFQETLKYQVAPA 385  
QLVTRQLQVSVVHLGTLARRVFLGEVLIPLATWDFEDSTTSFRWHPLRAKAEKYEDSVPSNGELTVRAKLVLPSP 462  
PRKLQEAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGLTLPDQQLRLKSPVLRKQACQWKHSFVFSG 539  
VTPAQLRQSSLELTVDQALFGMNDRLGGTRLGSKGDTAVGGDACSQSKLQWKVLSSENLTWDMTLVLH 610

Figure 6

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Replacement Sheet



Ly111b-fullB : the transcript (SEQ ID NO: 49)

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAA  
CGGAGAAGAAATGGCCCAAGAAATAGATCTGAGTGCTCTCAAGGAGTTAGAACGCGAGGCCA  
TTCTCCAGGTCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAGGACACGGAAA  
CTGAAAACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGCACA  
AGAGAAGTGCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCTGCTGCACCGGGGCGCCGTGT  
GCCGGGGCTGCAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTTGAGGGGGACCCATGCC  
TGGAAGTGCACGGTGTGCTTCGAGGACAGGAATGTCAAAATAAAAACTGGAGAATGGTTCTA  
TGAGGAACGAGCCAAGAAATTTCCAACCTGGAGGCAACATGAGACAGTTGGAGGGCAGCTCT  
TGCAATCTTATCAGAAGCTGAGCAAAATTTCTGTGGTTCTCTACTCCACCTCCTGTCAGC  
GAGAGCCAGTGCAGCCGAGTCCTGGCAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCT  
CAATCAAGAGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCA  
GTCCGGCACCCAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGAC  
AGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGC  
CATTCAATTATTGCTTCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTG  
CCTATGGAGAAGAAAAGAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGAC  
AGATCCTCCCAGGGAAAGCGCAAGACTGGAGTCCAAGGAACACCGTGGACCCGACCTTTCA  
GGAGACCTTGAAGTATCAGGTGGCCCCCTGCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGG  
TGTGGCATCTGGGCACGCTGGCCCCGGAGAGTGTTTCTTGAGAAAGTGATCATTCTCTGGCC  
ACGTGGGACTTTGAAGACAGCACAAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGC  
GGAGAAATACGAAGACAGCGTTCCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGG  
TTCTCCCTTACAGGCCAGAAAACCTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTT  
CATGGTCAACTTTGTTTGGTAGTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCAC  
CTTGAACCTCATTGTTAAGGGCTGTCTCACTCTGCCAGACCAACAAAACTGAGACTGAAGT  
CGCCAGTCCTGAGGAAGCAGGCTTGCCCCAGTGGAAACACTCATTGTCTTCAGTGGCGTA  
ACCCCAGCTCAGCTGAGGCAGTCGAGCTTGAGGTTAACTGTCTGGGATCAGGCCCTCTTTGG  
AATGAACGACCGCTTGCTTGAGGAACAGACTTGTTCAAAGGGAGACACAGCTGTTGGCG  
GGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGG  
ACAGACATGACTCTTGCTCCTGCACTGACATGAAGGCCTCAAGGTTCCAGGTTGCAGCAGGCG  
TGAGG

pLy111b-fullB : the protein (SEQ ID NO: 50)

MAQEIDLSALKELEREAILQVLYRDQAVQNTTEEERTRKLKTHLQHLRWKGAKNTDWEHKEKCCARCCQVVGFLLRG 77  
AVCRGCSHRVCAQCRVFLRGTHAWKCTVCFEDRNVKIKTGEWFYEERAKKFPTGGKHETVGGQLLSYQKLSKISVV 154  
PPTPPPVSESQCSRSPGRKVSAPDILKPLNQEDPKCSTNPILKQNLPSAPSTIFSGGFRHGLISIDSTCTEMG 231  
NFDNANVTGEIEFAIHYCFKTHSLEICIKACKNLAYGEEKKKCNPYVKTYLLPDRSSQGRKKTGVQRNTVDPTFQE 308  
TLKYQVAPAQLVTRQLQVSVVHLGLTARRVFLGEVVIPLATWDFEDSTTQSFWRHPLRAKAKEYEDSVQSNGLTV 385  
RAKLVLPSPRKLQEAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGLTLPDQQLRLKSPVLRKQACPQ 462  
WKHSFVFSVTPAQLRQSSLELTVWDQALFGMNDRLGGLGTRLGSKGDTAVGGDACQSKLQWQKVLSSPNLWTDMTL 539  
VLH 542

Figure 7